

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
9 June 2005 (09.06.2005)

PCT

(10) International Publication Number
WO 2005/052694 A3

(51) International Patent Classification⁷: **G03F 7/40**, B41C 1/10, A21B 1/00

(21) International Application Number: **PCT/GB2004/004555**

(22) International Filing Date: 28 October 2004 (28.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 0325459.6 31 October 2003 (31.10.2003) GB

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report: 21 July 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/052694 A3

(54) Title: IMPROVEMENTS IN AND RELATING TO PRINTING PLATE OVENS

(57) Abstract: The present invention relates to a printing plate oven 10 designed for lithographic printing plates and, in particular, for baking Kodak DITP gold printing plates. The printing plates oven comprises heating apparatus including a number of heating elements which extend at an angle relative to the direction of a printing plate passing through the oven. The printing plate oven also comprises drive means for driving the printing plates in which two rollers are urged towards each other on either side of the printing plates but the rollers are profiled such that they do not simultaneously contact a part of the printing plate at directly opposite locations. The printing oven includes cooling means which comprise deflecting means in order to flex a part of the printing plate during cooling. Furthermore, the heating elements of the printing oven are controlled in order to vary the heat applied to the printing plate depending upon the position of the printing plate.